ABSTRACT

A fluid restricting material 1 in a pattern and sequence installed horizontally beneath the root zone 3 of plants 4. Vertical water flows and other mediums such as fertilizers, herbicides and pesticides are arrested in a plurality of open concave reservoirs 6. Fluids 7 in excess of the soils' 2 absorption and the reservoirs 6 capacities percolate through it into subsoil 10 via a plurality of holes 8 or openings 12 near the crests 9 of the reservoirs. Fluids and vapors may transpire upward through such into the upper level of soil. Percolations are limited beyond the accessibility of the plant roots and the soils' retentive capacities, thereby fluids and chemicals are stored for the plants' future requirements, evaporation of subterranean fluids are regulated, and contaminations below the network are reduced. A material and method is provided to increase efficiencies of irrigations and chemical applications and to enhance growth potentials of crops and/or other plants.